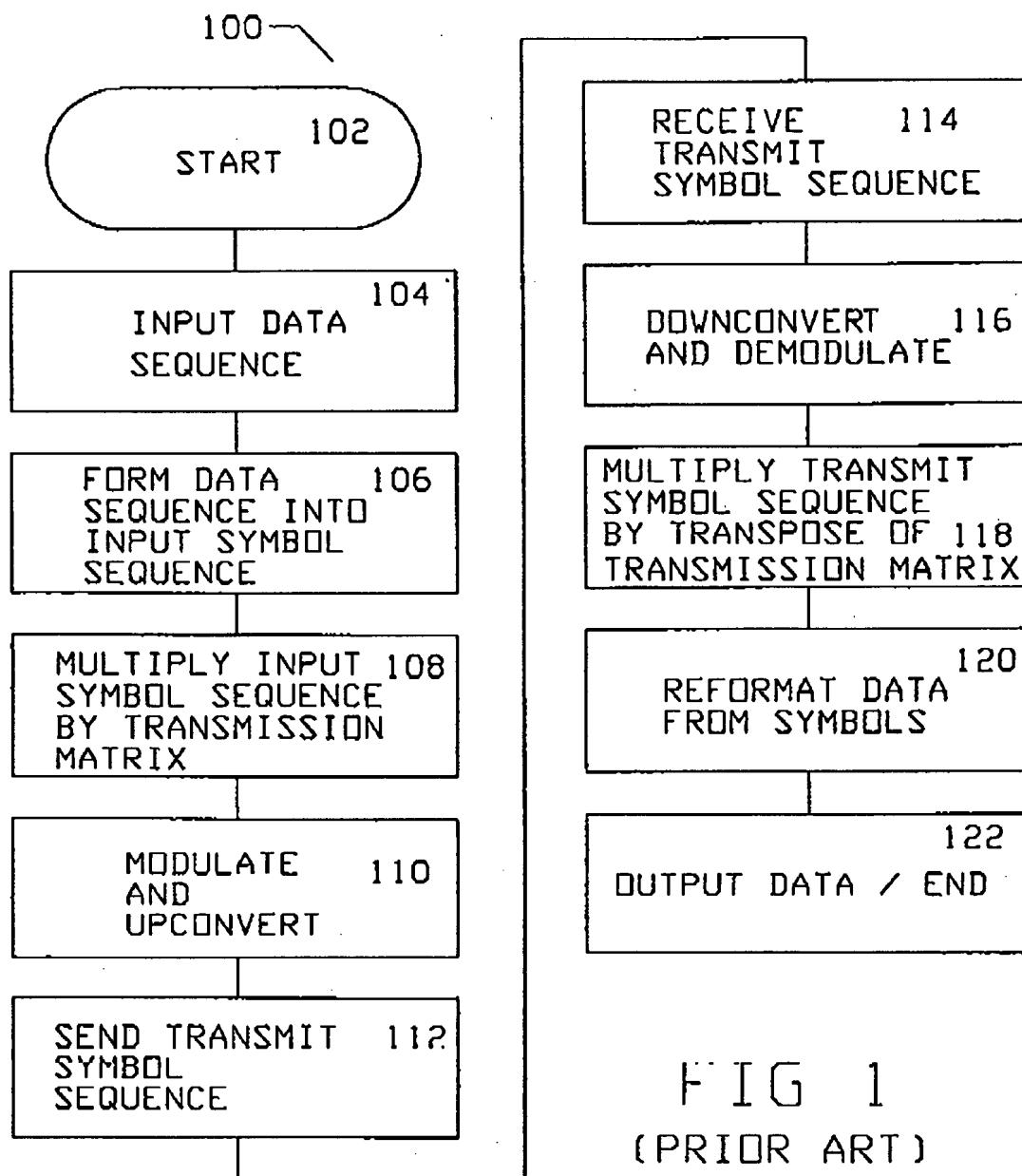


## REPLACEMENT SHEET

FIG 1  
(PRIOR ART)

## REPLACEMENT SHEET

300

$E = [0 \ 1 \ 0 \ -1 \ 0 \ 1]$  302 < INPUT SYMBOL SEQUENCE

$C = \begin{vmatrix} 1 & 2 & 3 & 4 & 5 & 1 \\ -5 & -4 & -3 & -2 & -1 & 4 \\ 3 & 2 & -3 & -1 & -2 & -3 \\ 3 & -4 & -2 & 2 & 1 & 2 \\ 3 & -4 & 5 & 2 & 1 & -3 \end{vmatrix}$  304 < 2 DIMENSIONAL  
TRANSMISSION MATRIX

$F = E \cdot C = [-8 \ 0 \ -1 \ -4 \ -2 \ 2]$  306 < TRANSMIT SYMBOL  
SEQUENCE

$F_5 = [-8 \ 0 \ -1 \ -4 \ 2]$  308 < RECEIVED SYMBOL  
SEQUENCE WITH CORRUPT  
TERM REMOVED

$C_5 = \begin{vmatrix} 1 & 2 & 3 & 4 & 1 \\ -5 & -4 & -3 & -2 & 4 \\ 3 & 2 & -3 & -1 & -3 \\ 3 & -4 & -2 & 2 & 2 \\ 3 & -4 & 5 & 2 & -3 \end{vmatrix}$  310 < TRANSMISSION MATRIX  
WITH CORRUPT COLUMN  
REMOVED

$K_5 = \begin{vmatrix} - .3528 & - .4410 & - .3658 & - .2529 & - .1712 \\ - .0110 & - .1388 & - .0739 & - .0233 & - .1304 \\ - .2335 & - .2918 & - .3891 & - .0350 & - .0545 \\ - .6005 & .5006 & .5564 & - .1401 & .2179 \\ - .3268 & - .4086 & - .5447 & - .2490 & - .2763 \end{vmatrix}$  312 < INVERSE  
OF  $C_5$  IS A  
RECOVERY  
MATRIX

$G = F_5 \cdot K_5 = [0 \ 1 \ 0 \ -1 \ 0 \ 1]$  314 < OUTPUT SYMBOL  
SEQUENCE

FIG 3